TENDERS

Given in for the erection of a new church at Mansfield, Nottinghamshire, Mr. H. J. Stevens, architect. The quantities were furnished.

Brooke and Adlington, Mansfield	£4,730
Hall, Nottingham	4,000
Watts, Derby	3,900
Lindley, Mansfield (accepted)	3,800

For St. George's (East) Workhouse addition. Mr. Hammock, architect.

Wood	£10,894
Cooper	9,938
Hall	9,290
Ashby	9,236
Wilson	9,084
Nicholson	8,858
Colbatch	8,677
Piper	8,596
Jay	8,637
Hill	8,382
Higgs	8,113
Wilson, Southwark	8,120
Burton	7,941
R. and E. Curtis (accepted)	7,894
Crook	7,830

MEETINGS OF SCIENTIFIC BODIES

Held during the ensuing week.

MONDAY, April 16th.—Institute of Architects, 8 p.m.
TUESDAY, 17th.—Institution of Civil Engineers, 8 p.m.
WEDNESDAY, 18th.—Society of Arts, 8 p.m.
THURSDAY, 19th.—Royal Society, 8½ p.m.; Society of Antiquaries, 8 p.m.

TO CORRESPONDENTS.

Received.—"J. L. P." (thanks). "Bart." "A. Y. C." "J. C." (Ipswich). "S. C." (shall hear from us). "S. and P." "S. P." "G. N." "W. S." "Rev. V. H." "H. P. H." "E. R." (the cuts are in the hands of Mr. R., jun.). "Rev. W. S." (if we can find time, we will call). "E. W." "J. J." "J. E." (declined with thanks). "Reader of THE BUILDER." "T. B." (Chantrey was a sculptor. Mr. Chantrell is an architect). "W. S." "J. E." Bath (letter shall be attended to). "R. H. S." "Form and Sound, can their beauty be dependent on the same physical laws?" by Thomas Purdie (Edinburgh: A. and C. Black, 1849). "Algebra of Ratios," by H. B. Browning, Architect, Stamford (Cambridge: Macmillan. London: Simpkin and Co., 1849).

"*Books, Prices, and Addresses.*"—We have not time to point out books or find addresses.

ADVERTISEMENTS.

CATHEDRAL of COLOGNE and ROUEN.—Now exhibiting, the inimitable and colossal model of the Cathedral of Cologne, which has been honoured with the unqualified approbation of her Majesty and Prince Albert. The dimensions are 9 ft. long, 8 ft. high, and 4 ft. 8 in. broad, modelled by C. SCHROPP, in wood and iron. The above splendid piece of workmanship was completed in eight years and seventeen days. Also a magnificent model of the Cathedral at Rouen. At the Cosmorama, Regent street, from Ten in the morning till dusk. Admission, 2s. 6d. Children, 1s.

ROYAL POLYTECHNIC INSTITUTION.—The collection of Models of Agricultural Implements has been greatly increased by additions deposited by the Royal Agricultural Society and other scientific parties. The use of these Models, as well as all others in the Institution, is explained from day to day. Lectures, by Dr. Bachhoffner, on the Ventilation of Mines, &c., by means of a Jet of Steam, daily at Two o'clock, and on alternate Evenings. Lecture on Chemistry, daily at half-past Three, and on alternate Evenings. The Morrgscope. The new Dissolving Views include Scenes in Van Diemen's Land, from original Drawings taken on the spot by J. Skinner Prout, Esq. New Chromatropes. Diver and Diving Bell, &c., &c. The Music is under the direction of Dr. Wallis.—Admission, 1s.; Schools, half-price. The New Catalogue, 1s.

IRON SHUTTERS.—THE PATENT CONVEX REVOLVING IRON SHUTTERS are cheaper, twelve times stronger, work easier, cannot run down, and roll up in one-third less room than any other shutters made. Harcourt Quincey, Patentee.

CLARK and Co., Sole Manufacturers, and of IMPROVED DRAWN ORNAMENTAL METALLIC SASH BARS, ASTRAGALS, MOULDINGS, STALL-BOARD PLATES, &c. &c. In brass, copper, and zinc. WROUGHT-IRON GARDENS, HOT-WATER APPARATUS, and metal works of every description connected with buildings. Steam engines, millwork, and machinery. CLARK and Co., Engineers, 233, Wapping. Models can be seen and every information obtained at 456, Oxford street, and 4, Montgomerie-street, City. Agent for Scotland, Mr. G. BRIDSTOCK, 17 George street, Edinburgh.

SNOXELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS, Manufactory, 98, REGENT-STREET and 171, CHANCERY-LANE. Patent sealed on the 4th day of February, 1845, for Fourteen Years, for Improvements in Revolving Shutters of WOOD and IRON, consisting of Six Methods of Raising and Lowering Shutters, with not Machinery, and Two for Hinging and Sliding the Sliders of Wood Laths with Iron.—The Patentee having fixed up some hundreds, will feel pleased in forwarding the Testimonials of Architects, Principals of large Establishments, and others, having them now in use, which fully guarantees the Patentee in stating they are beyond dispute superior to any other Revolving Shutter for durability, security, and simplicity, without the use of cog-wheel, worm and screw gear, or any other complicated machinery employed by other makers.

BUNNETT and Co., ENGINEERS, Patentees of REVOLVING IRON AND WOOD SAFETY SHUTTERS, and of ORNAMENTAL METALLIC SASH BARS, MOULDINGS, &c. IN BRASS, COPPER, ZINC, &c. FOR SHOP-FRONTS, SKYLIGHTS, &c.

Shop-fronts completely fitted and finished in a superior style, either plain or ornamental, also glazed with best plate glass. Strong moulded stallboards handsomely engraved. Metal works and machinery of all kinds in connection with banking houses, shops, warehouses, &c. &c.

B. and Co. challenge competition as to either quality or price.

Estimates furnished and estimates given.

IMPROVED PATENT BENCH AND FLOORING CRAMPS FOR BUILDERS.

SOLE LICENCEES FOR MARVIN and MOORE'S PATENT DIAGONAL GRATINGS.

Office of the Patentees, 28, Lombard-street, London; and at the Works, Deptford, Kent.

CAST-IRON PIPES, IRON WORK FOR OVENS, &c.

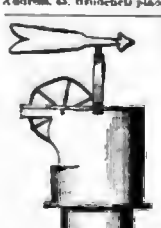
RAIN PIPES, &c.—F. A. TIDDEMAN, Perfect Wharf, Earl-street, City, near Blackfriars bridge, keeps a large stock of Rain Pipes, Heads, Shoes, Elbows, &c. half round and O. G. Gutters, Socket Pipes for Water or Gas, Flash Pipes, Rash Weights, and other Castings; Iron Work for Bakers' Ovens of every description, fitted complete, to be had in situ or in parts.—Prices equal to all competition. Contracts taken to any extent.

MINTON and CO.'S ENCAUSTIC and other PATENT TILES for Churches, Entrance Halls, Conservatories, Balconies, &c., Antique, Geometrical, and Alhambric Mosaics, manufactures of a highly decorative character and extreme durability. Slabs and Tiles for Fireplaces, Hearths, and Ceilings for Grates, Door Furniture, White Glazed and Ornamental Tiles for Baths, Dairies, and Kitchen Ranges may be had in great variety at their Warehouse, 9, Albion-place, Blackfriars-bridge, London, and at their Manufactory, Stoke-upon-Trent, Staffordshire.

TO ARCHITECTS, BUILDERS, AND RAILWAY CONTRACTORS.

BRICKS and TILES, plain and moulded, manufactured in a superior manner, from fine beds of clay on the Earl of Leicester's estate at Holkham, of red, blue, and buff stone colours, both for plain and ornamental work. Specimens to be seen at Blackfield's Wharf, Commercial-road, Lambeth (near Waterloo-bridge), consisting of plain bricks of the usual size for building purposes, moulded bricks for forming Tudor chimney shafts, of various designs, label mouldings, cornices, mullions, window sills, dressings for windows and doors, mullions, ridge, shutters, &c. Also roofing and paving tiles of an ornamental character in the same materials. The moulded bricks are fully equal to the best specimens referred to under the articles "Brickwork," in Vol. 300 and 1 Vol. of "The Builder."

SMOKE NUISANCE.—HAZELDINE'S PATENT FURNACE has now been in operation, giving the utmost satisfaction, for the last twelve months, and is found to be a perfect SMOKE CONSUMER. It is simple in its construction, furnishes the screenings from coals, and is erected at half the cost of any other patent, effectually answering the same purpose.—Address, 41, Hinderwell-place, New North-road, Hoxton.

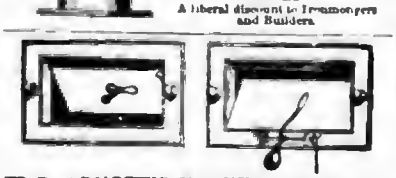


SIR HENRY HART'S CHIMNEY PUMP, FOR THE CURE OF SMOKY CHIMNEYS, and the constant ventilation of apartments. It has been in successful use at Greenwich Hospital for several months.

SOLE AGENTS.

BESHAM and SONS, 18, Wigmore-street, Cavendish square, and G. and J. DEANE, opposite to the Monument, London Bridge.

A liberal discount to Ironmongers and Builders.



DR. ARNOTT'S VALVES for thoroughly VENTILATING APARTMENTS of every description. F. EDWARDS having had the advantage of making them under the immediate direction and patronage of Dr. Arnott, enables him to present the public with Valves of the most approved principle for general use. Prices from 7s. 6d. to 30s. and upwards. A prospectus, containing every information, to be had on application to F. EDWARDS, 48, Poland-street, Oxford-street, London.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

For carrying off Heated and Impure Air from Bed-rooms, Sitting-rooms, Counting-houses, and Apartments generally.

LIST OF PRICES.

	First size 11 by 8	Second size, 16 by 9
Plain Iron Valve	7 6	10 6
Bronzed and Leathered	8 6	14 0
Japanned, white with Gold lines	15 0	21 0
Brass Front	17 6	24 0

Parting Cases (if required), 1s. 3d. each.

Manufactured by HART and SONS, 53, 54, 55, Wych-street, Strand, London.

IMPROVED SELF-ACTING CHIMNEY VENTILATORS.

FOR CARRYING OFF HEATED AND IMPURE AIR from drawing-rooms, sitting-rooms, bed-rooms, nurseries, offices, &c. &c., from 3s. each.—BURT and POTTS, Manufacturers and Ironmongers, 53, York-street, Westminster, London.

Stoves, ranges, rain-water pipes, cutters, and builders' ironmongery, as low as any house in London. Delivered free within 5 miles.

PATENT GALVANIZED TINNED IRON AND ZINC WORKS, 4, Quickset row, New road.—ANDREW WHYTOCK begs respectfully to acquaint the customers of Mr. C. GELL, Jun., and the Public, that, having succeeded Mr. Gell in the above business, he will feel obliged by a continuance of the favours so liberally conferred by Mr. Gell, and trusts, by prompt attention to orders and sound work, to merit patronage and confidence. The Patent Metal being fire proof, and free from all liability to corrosion or oxidation, is peculiarly well adapted for roofing of every description.

The Advertiser begs to call the particular attention of Builders to the Patent WELDED GALVANIZED TINNED IRON WATER PIPE, which is free from many troublesome objections to which lead pipe is liable,—amongst others, it is proof against furniture, and cannot be cut through by workmen in repairing the roadway; with regard to public health it is of the first importance. Dr. Ryan, M.D., L.L.D., when writing of the above pipes, says:—"Whereas, after passing through pipes of Galvanized Tinned Iron the water is perfectly unchanged. Some time since I was called upon, professionally, to examine the water conveyed through lead pipes, for the use of the royal hounds at Windsor, in consequence of the great mortality which had occurred amongst the animals; and, on analysis, I found that the cause arose from the water becoming impregnated with lead in its passage through the tubes made of that metal. Had your Galvanized Tinned Iron Tubing been then in use, I have no hesitation in saying that no injurious consequences could have occurred, under the like circumstances. This is but one instance out of many in which injurious and even fatal consequences have resulted from the use of water which has passed through lead tubing, of been kept in leaden vessels."

A. WHYTOCK is enabled to supply Tube, in large or small quantities, on the same terms as the Patentee.

London, April 13, 1849.

TO ARCHITECTS.—COMPETITION AND OTHER DRAWINGS.

MR. THOMAS S. BOYS, Member of the New Society of Painters in Water Colours, and author of "The Picturesque Architecture of Paris, Ghent, Rouen, &c." and of "London as it is," offers his services in Tinting Backgrounds, Landscapes, Perspective Views, Interiors, &c. From the long experience he has had in such subjects, he is fully aware of the points essentially necessary to be attended to. Drawings and designs lithographed in a superior manner.—Address, Mr. BOYS, 41, Great Titchfield-street, Oxford-street.

FIRE-PROOF BUILDINGS.—PORTER'S PATENT.—By an improved mode of applying Corrugated Iron in the construction of Floors, Roofs, &c., for which Patents have recently been granted to John Hinderman Porter, Buildings of every class can be rendered Fire-proof at a very trifling increase of cost, and with not any increase of weight.—Walls from the substitution of cast-iron and timber greater security is obtained, in point of strength, than by the ordinary method of construction.

PORTER'S PATENT BEAMS and GIRDERS of CORRUGATED IRON, on account of their remarkable stiffness are particularly suitable for buildings and bridges: they are 40 per cent. lighter, and 25 per cent. cheaper, than other wrought-iron beams of equal strength.—Manufactory, Iron Buildings and Roofing Works, Southwark; Office, 3, Adelaide-place, London-bridge, City.

INCREASED ECONOMY in BUILDING, combined with PROTECTION from FIRE, &c. The following advantages result from the adoption of the "PATENT FIRE-PROOF FLOORS and ROOFS, viz.:—

Security from Fire.
Great Economy of Construction.
Increased Durability.
Protection from Dry rot and from noxious Insects and Vermin.

The economy of this system is very considerable; its cost, as compared with the common method of fire proof building, being about one half: while, as compared with the ordinary timber floors, it effects a saving of from 15 to 25 per cent. The entire freedom from lateral thrust, in the method of building, gives it a further advantage over the plan of iron girders and brick arches. The system is applicable to all classes of buildings. It has been introduced at the Middlesex Hospital, where it can be seen at any time, and all information obtained of Messrs. FOX and BARRETT, Leicester Chambers, 46, Leicester-square.

CHUBBS' LOCKS, FIRE PROOF SAFES, AND CASH BOXES.

CHUBBS' PATENT DETECTOR LOCKS give perfect security from false keys and picklocks, and also detect any attempt to open them. They are made of all sizes, and for every purpose to which locks are applied, and are strong, secure, simple, and durable.

CHUBBS' PATENT LATCH, for front doors, counting house doors, &c., is simple in construction, low in price, and quite secure. The Keys are particularly neat and portable.

CHUBBS' PATENT FIRE-PROOF SAFES, BOOKCASES, CHESTS, &c., made entirely of strong wrought-iron, so as effectually to resist the failing of brick-work, timber, &c., in case of fire, and are also perfectly secure from the attacks of the most skilful burglars.

CHUBBS' CASH and DEED BOXES, fitted with the Detector Locks.

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LEADBEATER, FIRE-PROOF SAFE AND DETECTOR LOCK MANUFACTURER TO HER MAJESTY'S BOARD OF ORDNANCE.

CAUTION to Purchasers of FIRE-PROOF DOORS for Strong Rooms, Safes, Chests, and Detector Locks, &c. &c. LEADBEATER, many years manufacturer for Chubb.

LEADBEATER begs most respectfully to inform Architects, Surveyors, Builders, &c., that he can supply them with IMPROVED DETECTOR LOCKS for universal purposes, STRONG WROUGHT IRON FIRE PROOF DOORS, SAFES, and CHESTS, on the most improved principles of security against FIRE and THIEVES, without the aid of "expensive machinery," which is employed by some interested makers, but must be paid for; at prices 25 per cent. under any other house in London.

LEADBEATER offers ONE HUNDRED POUNDS reward to any person who can pick his improved detector locks or latches. Some thousands of Leadbeater's strong-room doors and safes have now been put up without a SINGLE COMPLAINT and fifteen years practical experience, during which he has adapted every possible improvement to real security, enables him to challenge competition, with any house in London. A large assortment of chests on sale and made to order. A pair of extra strong wrought-iron fire-proof bedline-doors with ventilating grates made expressly for a banker's strong room, may be viewed at his manufactory. Strong wrought-iron doors for party walls, with wrought-iron rabbited frames, and secured by the BEST DETECTOR LOCKS in ENGLAND, 6 feet high by 3 feet 2 inches wide and upwards, price 10s. each, always on hand at LEADBEATER'S MANUFACTORY, 182, ALDERSGATE-STREET, LONDON.

ZINC, from the VIEILLE MONTAGNE MINING COMPANY, is the purest known, free from alloy of iron, lead, or sulphur. It is supplied in sheets for house coverings, &c., and in sheets for ship sheathing and roofings of all kinds, and made of all dimensions. It may be had of the following Agents, who have always a large stock in hand:—

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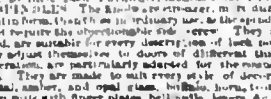
Zinc from 8s. to 24s. per square foot is generally used for roofings, which cost at least one-third cheaper than slate coverings, and the ship sheathing, which lasts from five to six years, costs two-thirds cheaper than copper or yellow metal. And if the zinc coverings are made of the Vieille Montagne Zinc, and under the superintendence of Mr. Gravelli, the surveyor of the Company, for which no charge is made, a roofing warranted for ten years will be given of its durability.—For further particulars and prices, apply to Mr. H. F. SCHMOLL, General Agent for England, at the Company's offices, No. 12, Manchester-buildings, Westminster-bridge, London.

PITT'S PATENT SELF-ADJUSTING DOOR KNOBS AND LOOSE SPINDLES.



HART and SONS beg to invite the attention of architects, builders, and others, to their fine Furniture, manufactured for PITT'S PATENTED SPINDLES. The Knobs are extremely neat, in durable and improved metal in form, but fit as in ordinary use, as the spindles, being hollow, do not require the objectionable side screw. They are much readily fixed, are suitable for every description of lock now in use, and, as they adjust themselves to doors of different thicknesses, with no alteration, are particularly adapted for the requisites of for exportation. They are made to suit every style of decoration in China, crystal, amber, and opal glass, bronze, horn, ivory, ebony, brass, &c., or suite with finger-plates, bell-pulls, levers, &c. May be obtained of all Ironmongers; or of the proprietors and sole manufacturers, HART and SONS, Wholesale Ironmongers, 53, 54, and 55, Wych-street, Strand, London.

N.B. PITT'S PATENTED SPINDLE, being the only one that does not require a screw in the side of the knob or mounting, the use of any lock furniture without such side screws would be an infringement of the patent.